

App. No. 10/660,899

Amendment Dated: December 27, 2006

Reply to Final Office Action of October 27, 2006

**Amendments to the Claims:**

1 (Currently amended): A method of redirecting a request URL, the request URL including data related to a patterned URL, the method comprising:

receiving the request Uniform Resource Locator (URL) from a user system comprising data related to a patterned URL and data related to a destination URL;

determining the patterned URL based on the data related to the patterned URL from the request URL; and

determining whether a character from the patterned URL indicates a pattern that indicates a data source type, wherein the data source type indicates a location of data for generating a destination URL;

when the character from the patterned URL indicates a pattern that indicates a data source type, interpreting a format specifier associated with the patterned URL, wherein the format specifier indicates conditional formatting for the destination URL, and generating a destination URL having data from the location indicated by the data source type, wherein the data is formatted based on the format specifier of the patterned URL;

when the character from the patterned URL does not indicate a pattern that indicates a data source type, generating a destination URL having the copied character from the patterned URL; and

sending the destination URL to the user system for redirecting the user system.

generating a destination URL based on at least one member of a group comprising: the patterned URL, the data related to the destination URL from the request URL, and redirector configuration information.

2 (Canceled)

3 (Currently amended): The method of claim [2]1, wherein interpreting the pattern based on the format specifier comprises responsive to the format specifier indicating a name of a

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service; looking up an Hyper-Text Transfer Protocol (HTTP) address for the service and placing the address into the destination URL when the format specifier indicates the name of the service.

4 (Currently amended): The method of claim [2]1, wherein interpreting the pattern based on the format specifier comprises responsive to the format specifier indicating string data, copying the string data into the destination URL when the format specifier indicates the string data.

5 (Currently amended): The method of claim [2]1, wherein interpreting the pattern based on the format specifier comprises responsive to the format specifier indicating a language, rewriting the a language as a corresponding culture and adding the culture to the destination URL when the format specifier indicates the language.

6 (Currently amended): The method of claim [2]1, wherein interpreting the pattern based on the format specifier comprises responsive to the format specifier indicating a language, rewriting the a language as a corresponding culture and adding the culture to the destination URL if when the language indicates other than English and when the format specifier indicates the language.

7 (Currently amended): The method of claim [2]1, wherein interpreting the pattern based on the format specifier comprises responsive to the format specifier indicating a language, copying the a language to the destination URL when if the language indicates other than English and when the format specifier indicates the language.

8 (Currently amended): The method of claim [2]1, wherein interpreting the pattern based on the format specifier comprises responsive to the format specifier indicating a culture, translating the a culture to a Language Culture Identifier (LCID) and placing the LCID into the destination URL when the format specifier indicates the culture.

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9 (Currently amended): The method of claim [2]1, wherein interpreting the pattern based on the format specifier comprises ~~responsive to the format specifier indicating a special string copy~~, copying a following string to the destination URL ~~only if~~ when a previous portion of the patterned URL caused data to be written to the destination URL and when the format specifier indicates a special string copy.

10 (Currently amended): The method of claim [2]1, wherein generating a destination URL having data from the location indicated by the data source type comprises ~~interpreting the pattern based on the data source type~~ ~~comprises responsive to the data source type indicating that data is located in a path portion of the request URL~~, copying a path part from the request URL to the destination URL when the data source type indicates that data is located in a path portion of the request URL.

11 (Currently amended): The method of claim [2]1, wherein generating a destination URL having data from the location indicated by the data source type comprises ~~interpreting the pattern based on the data source type~~ ~~comprises responsive to the data source type indicating that data is located in a query string of the request URL~~, copying data from the a query string of the request URL to the destination URL when the data source type indicates that data is located in the query string of the request URL.

12 (Currently amended): The method of claim [2]1, wherein generating a destination URL having data from the location indicated by the data source type comprises ~~interpreting the pattern based on the data source type~~ ~~comprises responsive to the data source type indicating that data is located in a data source identifier of the patterned URL~~, copying the a data source identifier from the patterned URL to the destination URL when the data source type indicates that data is located in the data source identifier of the patterned URL.

13 (original): The method of claim 10, wherein the path portion is identified by a data source identifier in the pattern.

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14 (original): The method of claim 11, wherein the query string is identified by a data source identifier in the pattern.

15 (Currently amended): A system comprising:  
a processor, and  
a memory coupled with and readable by the processor and having stored therein instructions which, when executed by the processor, cause the processor to:  
receive a request Uniform Resource Locator (URL);  
determine a patterned URL based on the request URL;  
identify a character from the patterned URL that indicates a pattern that indicates a data source type, wherein the data source type identifies a location of data for generating a destination URL;  
interpret a format specifier associated with the patterned URL, wherein the format specifier indicates conditional formatting for the destination URL; and  
generate the destination URL having data from the location indicated by the data source type, wherein the data is formatted based on the format specifier of the patterned URL.  
~~receive a request Uniform Resource Locator (URL) comprising data related to a patterned URL and data related to a destination URL, determine the patterned URL based on the data related to the patterned URL from the request URL, and generate a destination URL based on at least one member of a group comprising: the patterned URL, the data related to the destination URL from the request URL, and redirector configuration information.~~

16 (Cancelled)

17 (Currently amended): The system of claim [16]15, further comprising wherein interpreting the pattern based on the format specifier comprises responsive to the format specifier indicating a name of a service, looking up an Hyper-Text Transfer Protocol (HTTP) address for

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the service and placing the address into the destination URL when the format specifier indicates a name of a service.

18 (Currently amended): The system of claim [16]15, further comprising wherein ~~interpreting the pattern based on the format specifier comprises responsive to the format specifier indicating string data;~~ copying the string data into the destination URL when the format specifier indicates the string data.

19 (Currently amended): The system of claim [16]15, further comprising wherein ~~interpreting the pattern based on the format specifier comprises responsive to the format specifier indicating a language;~~ rewriting the a language as a corresponding culture and adding the culture to the destination URL when the format specifier indicates the language.

20 (Currently amended): The system of claim [16]15, further comprising wherein ~~interpreting the pattern based on the format specifier comprises responsive to the format specifier indicating a language;~~ rewriting the a language as a corresponding culture and adding the culture to the destination URL if when the language indicates other than English and when the format specifier indicates the language.

21 (Currently amended): The system of claim [16]15, further comprising wherein ~~interpreting the pattern based on the format specifier comprises responsive to the format specifier indicating a language;~~ copying the a language to the destination URL is when the language indicates other than English and when the format specifier indicates the language.

22 (Currently amended): The system of claim [16]15, ~~wherein interpreting the pattern based on the format specifier comprises responsive to the format specifier indicating a culture;~~ translating the a culture to a corresponding Language Culture Identifier (LCID) and placing the LCID into the destination URL when the format specifier indicates the culture.

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23 (Currently amended): The system of claim [16]15, further comprising wherein interpreting the pattern based on the format specifier comprises responsive to the format specifier indicating a special string copy, copying a following string to the destination URL only if when a previous portion of the patterned URL caused data to be written to the destination URL and when the format specifier indicates a special string copy.

24 (Currently amended): The system of claim [16]15, further comprising wherein interpreting the pattern based on the data source type comprises responsive to the data source type indicating that data is located in a path portion of the request URL, copying a path part from the request URL to the destination URL when the data source type indicates that data is located in a path portion of the request URL.

25 (Currently amended): The system of claim [16]15, further comprising wherein interpreting the pattern based on the data source type comprises responsive to the data source type indicating that data is located in a query string of the request URL, copying data from the query string of the request URL to the destination URL when the data source type indicates that data is located in a query string of the request URL.

26 (Currently amended): The system of claim [16]15, further comprising wherein interpreting the pattern based on the data source type comprises responsive to the data source type indicating that data is located in a data source identifier of the patterned URL, copying a the data source identifier from the patterned URL to the destination URL when the data source type indicates that data is located in a data source identifier of the patterned URL.

27 (original): The system of claim 24, wherein the path part is identified by a data source identifier in the pattern.

28 (original): The system of claim 25, wherein the query string is identified by a data source identifier in the pattern.

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29 (Currently amended): A computer-readable storage medium encoding a computer program of instructions for executing a computer process for redirecting a request URL, the computer process comprising:

receiving the request Uniform Resource Locator (URL);

generating a patterned URL based on the request URL;

identifying a character from the patterned URL that indicates a pattern that indicates a data source type, wherein the data source type identifies a location of data for generating a destination URL;

interpreting a format specifier associated with the patterned URL, wherein the format specifier indicates conditional formatting for the destination URL; and

generating the destination URL having data from the location indicated by the data source type, wherein the data is formatted based on the format specifier of the patterned URL.

receiving the request Uniform Resource Locator (URL) comprising data related to a patterned URL and data related to a destination URL;

determining the patterned URL based on the data related to the patterned URL from the request URL; and

generating a destination URL based on at least one member of a group comprising: the patterned URL, the data related to the destination URL from the request URL, and redirector configuration information.

30 (Canceled)

31 (Currently amended): The computer-readable storage medium of claim [30]29, further comprising wherein interpreting the pattern based on the format specifier comprises responsive to the format specifier indicating a name of a service, looking up an Hyper-Text Transfer Protocol (HTTP) address for the a service and placing the address into the destination URL when the format specifier indicates a name of the service.

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32 (Currently amended): The computer-readable storage medium of claim [30]29, further comprising wherein interpreting the pattern based on the format specifier comprises responsive to the format specifier indicating string data, copying the string data into the destination URL when the format specifier indicates string data.

33 (Currently amended): The computer-readable storage medium of claim [30]29, further comprising wherein interpreting the pattern based on the format specifier comprises responsive to the format specifier indicating a language, rewriting the a language as a corresponding culture and adding the culture to the destination URL when the format specifier indicates the language.

34 (Currently amended): The computer-readable storage medium of claim [30]29, further comprising wherein interpreting the pattern based on the format specifier comprises responsive to the format specifier indicating a language, rewriting the a language as a corresponding culture and adding the culture to the destination URL if when the language indicates other than English and when the format specifier indicates the language.

35 (Currently amended): The computer-readable storage medium of claim [30]29, further comprising wherein interpreting the pattern based on the format specifier comprises responsive to the format specifier indicating a language, copying the language to the destination URL is when the language indicates other than English and when the format specifier indicates the language.

36 (Currently amended): The computer-readable storage medium of claim [30]29, further comprising wherein interpreting the pattern based on the format specifier comprises responsive to the format specifier indicating a culture, translating the a culture to a Language Culture IDentifier (LCID) and placing the LCID into the destination URL when the format specifier indicates the culture.



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37 (Currently amended): The computer-readable storage medium of claim [30]29, further comprising interpreting the pattern based on the format specifier comprises responsive to the format specifier indicating a special string copy, copying a following string to the destination URL only if when a previous portion of the patterned URL caused data to be written to the destination URL and when the format specifier indicates a special string copy.

38 (Currently amended): The computer-readable storage medium of claim [30]29, further comprising wherein interpreting the pattern based on the data source type comprises responsive to the data source type indicating that data is located in a path portion of the request URL, copying a path part from the request URL to the destination URL when the data source type indicates that data is location in a path portion of the request URL.

39 (Currently amended): The computer-readable storage medium of claim [30]29, further comprising wherein interpreting the pattern based on the data source type comprises responsive to the data source type indicating that data is located in a query string of the request URL, copying data from the a query string of the request URL to the destination URL when the data source type indicates that data is located in the query string of the request URL.

40 (Currently amended): The computer-readable storage medium of claim [30]29, further comprising wherein interpreting the pattern based on the data source type comprises responsive to the data source type indicating that data is located in a data source identifier of the patterned URL, copying the data source identifier from the patterned URL to the destination URL when the data source type indicates that data is located in a data source identifier of the patterned URL.

41 (Currently amended): The computer-readable storage medium of claim 38, wherein the path part is identified by a data source identifier in the pattern.

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42 (Currently amended): The computer-readable storage medium of claim 39,  
wherein the query string is identified by a data source identifier in the pattern.